

**State of Michigan**  
John Engler, Governor

**Department of Environmental Quality**



**Russell J. Harding, Director**

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**Drinking Water Revolving Fund  
Final Intended Use Plan  
Fiscal Year 2000**

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**Prepared by:  
Municipal Facilities Section, Environmental Assistance Division  
and Drinking Water and Radiological Protection Division  
December 1999**

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## **I. INTRODUCTION**

Program details of Michigan's Drinking Water Revolving Fund (DWRF) are set forth in 1994 PA 451, the Natural Resources and Environmental Protection Act, Part 54, Safe Drinking Water Assistance, MCL 324.5401-324.5421.

The Michigan Department of Environmental Quality (DEQ), through the Environmental Assistance and Drinking Water and Radiological Protection Divisions, administers the DWRF. In addition, the Michigan Municipal Bond Authority (The Authority) is charged with administering DWRF funds through 1985 PA 227, as amended, known as the Shared Credit Rating Act.

The DWRF provides reduced interest rate loan financing to qualified water suppliers to finance construction of their waterworks system projects. These may include, but are not limited to new wells, new water treatment plants, storage facilities, upgrades or expansions, transmission lines, pumping facilities, and other related waterworks system improvements. Suppliers must meet federal and state program requirements, as well as demonstrate their ability to publicly finance their project.

The DWRF is a state-managed program. This Intended Use Plan (IUP) describes how the DEQ and the Authority will jointly administer the DWRF during Fiscal Year (FY) 2000. The Municipal Facilities Section (MFS) of the Environmental Assistance Division (EAD) is charged with carrying out the program administration responsibilities. The Drinking Water and Radiological Protection Division (DWRPD) will assess project priority, issue the necessary construction permits, and offer technical review/assistance throughout project planning, design, and construction phases. Financial administration of the program will be handled by the staff of the Authority.

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The EPA-Region 5 staff will offer guidance and conduct annual program oversight reviews of the DWRF. The EPA serves as a helpful partner in creating and maintaining this program.

The relationship between the DEQ, the Authority, and the EPA is established in an Operating Agreement signed by authorized signatories from each agency. The Operating Agreement is incorporated into this IUP by reference and is available from the DEQ upon request.

This IUP includes detail on specific project funding and amounts to be set aside from federal capitalization grants for other uses authorized under the federal Safe Drinking Water Act (SDWA) and the Safe Drinking Water Assistance Act (Part 54). A Public Hearing for the draft IUP and the draft Project Priority List (PPL) was held on August 17, 1999 in Lansing, Michigan.

The DEQ certifies that it is recognized by the EPA as the primacy agency for management of the drinking water program. The priority system was developed and will be carried out each fiscal year by staff of the DWRPD. The priority system is designed to provide assistance to those projects that will have the greatest impact in facilitating safe drinking water supplies.

## **II. STRUCTURE OF THE DWRF**

The financing structure of the DWRF is similar to the State Revolving Fund (SRF). For water suppliers who are municipalities with bonding authority, this presents no significant challenges. The DWRF will sell tax-exempt revenue bonds to provide money that will be used to reimburse communities for incurred costs. As the DWRF reimburses suppliers, federal funds from the capitalization grant and state funds from the grant match will be transferred into a debt service reserve account to provide coverage for the leveraged bond issue. As the DWRF project construction progresses, project funds will be disbursed to the supplier from the bonds sold.

However, for bond suppliers who are non-municipal entities, limitations on private activity for tax-exempt issues will require the DEQ and the Authority to fund private water suppliers from funds other than tax exempt revenue bonds. Procedures for partnering with private lending institutions are currently being developed.

There will be a provision for subordinate investment of funds between the DWRF and the SRF. This concept permits the administrators of the two funds to make temporary investments from one fund or the other in the event that moneys are needed to service debt on the state's tax exempt bond issues, cover deficiencies in a fund's reserve accounts, or satisfy other reserve account requirements.

Only those funds periodically released from debt service reserve accounts, supplemental reserve accounts, revenue accounts, or any other account of the fund wherein released moneys may be generated, may be used for the purposes of subordinate investment.

At each point that moneys are released, the DEQ and the Authority will undertake a “snapshot” look at both the SRF and the DWRF. For each fund, we will first examine whether we need to service debt or satisfy reserve account requirements within the fund from which the released moneys originated. Next, we will examine the other fund for the same conditions. Then, if sufficient moneys are available to satisfy requirements for each fund, the released money will pass completely through and become available for future commitments to new projects consistent with its source.

Set-asides in the DWRF are derived from the overall capitalization grant awarded to the state by the EPA. They are designated for specified uses within the DWRF to address areas of concern included in the reauthorization of the SDWA.

Legal provisions included in 1985 PA 227 permit the Authority to establish accounts and sub-accounts within the DWRF to track revenues and expenditures for the set-asides. The set-asides for program and other activities will be directly administered by the DWRPD. Staff of the DWRPD will also be responsible for the technical assistance activities, except for those funds made available to subsidize loans to disadvantaged communities. The administrative set-aside will be managed by the MFS.

The following is a list of potential set-asides identified in Section 1452 of the federal SDWA.

**DWRF Administration - 4 percent**

**Technical Assistance - 2 percent**

**Program Set-asides - 10 percent**

- Public Water System Supervision
- Source Water Protection
- Capacity Development
- Operator Certification

**Other Activities - 15 percent, not to exceed 10 percent for any one activity**

- Loans for Source Water Protection
- Assistance for Capacity Development
- Source Water Assessment (only from FY1997 funds)
- Implement Wellhead Protection

It is imperative to note that the program set-asides require a one-for-one state match, in addition to the regular 20 percent state match calculated on the entire amount of the federal capitalization grant. Thus, money diverted to these set-asides will demand a heavier investment of state or local funds.

### **III. ADVANTAGES OF THE DWRF**

The primary advantage for Michigan water suppliers will be their ability to borrow funds at rates below market. The DWRF interest rate is established prior to each new fiscal year. As identified in Part 54, 1994 PA 451, determination of the interest rates is based on demand, market conditions, program costs, and future needs. Since a portion of the state match in any given fiscal year may be financed with state Revenue Match bonds, the upcoming year's interest rate must also account for the expense incurred in securing these bonds.

Section 5415(2) allows the DEQ to "annually establish the interest rate s to be assessed for projects receiving assistance..." Consequently, the DEQ has studied several options to ensure fair and equitable standards for community water suppliers from both the municipal and non-municipal sectors.

Based on the knowledge that market conditions generally demand higher rates of interest for non-municipal borrowers, and on the limitations of having to serve them through a direct, non-leveraged program structure, the director of the DEQ has determined that the DWRF will provide similar subsidy rates to both municipal and non-municipal borrowers.

In setting the interest rates for FY2000, the department examined the 20-year Bond Buyer Index for general obligation municipal bonds to identify current market conditions existing at the time the draft IUP was prepared. Then, to establish a rate of interest for municipal borrowers, the DEQ also will consider present and future demand for DWRF assistance and the cost of compliance.

Once the rate is determined for municipal borrowers, the resulting interest subsidy to municipalities is used for private borrowers. For those private borrowers obtaining financing through a financial institution, the interest rate would be the lending institution's rate charges, reduced by an identical percentage reduction as a municipality would receive.

The interest rate in FY2000 will be 2.5 percent for municipal borrowers, and a 2.5 percentage point buy-down of interest for private water suppliers.

Apart from the low interest rate, suppliers also benefit from the DWRF in that they can finance all eligible waterworks system costs. The major benefit results from the fact that water supply financing in the past has always been left to the local units of government or private entities. Historically, there has been no significant state financial assistance available to local officials in meeting water supply needs. The DWRF provides an on-going source of funding to maintain or improve drinking water quality and public health.

### **IV. LONG-TERM GOALS**

Michigan's DWRF establishes a funding source designed to protect and preserve public health within the state's boundaries. Michigan's geographical identity as a "Great Lakes" state affords its citizens with an abundant and high quality water resource from which to draw its drinking water. Unlike many states, Michigan water supplies are plentiful and periods of restricted use are few and far between in most communities.

Given our abundant water resource, the greater challenge for water suppliers lies in protecting the high quality of the resource, as well as ensuring that adequate volume and pressure exist to deliver potable water to the customer.

Given the limitations on pooled capital, the DEQ will work toward establishing tighter integration of the federal/state/local partnership. The DEQ continues to examine ways to work together with various federal and state agencies, such as the Rural Utility Service, Housing and Urban Development, and the Michigan Economic Development Corporation, so that we may collectively fund applicants and maximize use of our capital pool to achieve our stated goals.

Such partnerships will ultimately benefit everyone. Industry, tourism, and day-to-day quality of life are strengthened when our most valuable natural asset is preserved and made available for our use and enjoyment. To this end, Michigan seeks the following:

- A. To maintain state-wide compliance with all applicable state and federal drinking water laws, rules, and standards.
- B. To protect the public health and environmental quality of our state.
- C. To implement source water assessment and wellhead protection programs.
- D. To develop strategies within the DWRF to assist smaller, economically disadvantaged communities in meeting drinking water standards.
- E. To promote the DWRF as a viable tool for use by Michigan water suppliers in financing their waterworks system improvements or upgrades.
- F. To secure Michigan's full share of federal funding and to expeditiously obligate these moneys, along with the state contributions, for the construction of eligible facilities which meet state and federal requirements.
- G. To develop effective partnerships with other federal and state financing sources to promote efficiency in environmental review procedures and coordination of funding.
- H. To develop and apply a capacity assessment program for all new community and nontransient noncommunity water supplies, and to develop a strategy to apply to selected existing systems.

## **V. SHORT-TERM GOALS**

In order to accomplish the long-term goals, we must also focus on more immediate objectives. Therefore, our short-term goals in FY2000 are:

- A. To continue our outreach effort to publicize the DWRF through direct mail, electronic media, newsletter publication, workshops, and direct meetings.
- B. To review and promote the disadvantaged community assistance and streamline the requirements for submitting local user charge information.

- C. To continue implementation plans for source water protection focused on state-wide surface water assessments and groundwater assessments in areas tributary to the Great Lakes.
- D. To enhance the state's wellhead protection program through the implementation of a matching grant program.
- E. To implement a technical assistance program for small communities.
- F. To fund projects identified on the PPL, enabling them to proceed during FY2000 with construction of facilities included in their adopted project plans.
- G. To invite stakeholder participation in the development of administrative rules for conducting capacity assessments of certain public water supplies.

## VI. **ALLOCATION OF FUNDS**

Allocation of funds among eligible uses is based on a three-step process. First, the DEQ identifies the sources of funds and the spending limits for the DWRF within the given fiscal year. Next, a determination of the type and amount of financial assistance necessary for each supplier is made. Finally, funds are allocated among the projects consistent with amounts available and the projects' priority standing, establishing the fundable range.

The following information reflects the sources of funds:

### From FY2000:

FY2000 Title IX Funds	\$22,821,900
FY2000 State Match (Regular)	\$ 4,564,380
Anticipated Earnings	\$ 1,624,263
Repayments of Principal to DWRF	\$ 785,471
Repayments of Interest to DWRF	<u>\$ 538,656</u>

<b>Total Sources of Funds from FY2000</b>	<b>\$30,334,670</b>
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Total sources of funds available for all DWRF uses are expected to equal \$30,334,390 in FY2000. \$3,544,315 will be distributed through set-asides, and \$2,290,075 will be reserved for "as-bid" increases for fundable projects. Therefore, the amount available for loans to local water suppliers is expected to be \$24,500,000.

For FY2000, the allocation of set-aside funds is as follows:

DWRF Administration	4.0 percent	\$ 912,876
Technical Assistance	2.0 percent	\$ 456,438
Source Water Protection	1.0 percent	\$ 225,000
Capacity Development	2.0 percent	\$ 450,000
Operator Certification	2.2 percent	\$ 500,000
Wellhead Protection	<u>4.3 percent</u>	<u>\$1,000,000</u>
<b>TOTAL PROGRAM SET-ASIDES</b>	<b>15.5 percent</b>	<b>\$3,544,314</b>



The governor of each state may, at his or her discretion, transfer 33 percent of available moneys between the SRF and the DWRP programs. This may occur starting one year after a state receives its first capitalization grant for project funds. At this time, there is not a proposal to directly transfer moneys between the programs.

## **VII. CRITERIA AND METHOD FOR DISTRIBUTION OF FUNDS - SET-ASIDES**

The DEQ has established the percentages for using the set-asides based on what it believes is implementable within this fiscal year. The split of moneys is structured to meet not only expected needs (e.g. 4 percent for administration), but also targeted programs to help suppliers prepare themselves to qualify for DWRP loans (technical assistance funds used to defray planning loans).

### **Proposed Set-Asides from the FY2000 Appropriation - 6 Percent Total**

4 Percent Administration	\$912,876
2 Percent Technical Assistance	\$456,438

### **TECHNICAL ASSISTANCE**

The 2 percent Technical Assistance set-aside from FY2000 federal funds amounts to \$456,438. The DEQ has a contract with a technical service provider for various types of technical assistance to public water suppliers serving a population less than 10,000. The contract began in FY1999 and continues through FY2002. The technical assistance will include operator training, direct on-site technical assistance for system operation at community and non-community water supplies, and assistance with documents, community plans, and procedures to apply for DWRP assistance. The annual contract amount is \$208,000.

The DEQ will also use technical assistance set-aside funds to the extent funds are available, to pay for project planning costs for disadvantaged communities with less than 10,000 people who apply for DWRP assistance. The projected amount is \$248,438.

The administration and technical assistance set-asides taken from the FY1999 capitalization grant will be combined with FY2000 set-aside funds for reimbursements expected in FY2000.

### **Source Water Assessment**

The Source Water Assessment set-aside was only available from the FY1997 federal appropriation. Since expenditures are allowed from this set-aside over a four year period, the DEQ's workplans include expenditures for source water assessment during FY2000.

Work is well underway on source water assessments. The state submitted the program for approval by the EPA in accordance with the February 1999 deadline. The state program received EPA approval on October 22, 1999. Each local health department is contracting for fieldwork, and Michigan State University and the Groundwater Education in Michigan centers are under contract at this time. The DEQ also has contracts with the U.S. Geological Survey and an agreement with the city of Detroit to perform source water assessments for the surface waters of Southeast Michigan. In 2000, the DEQ intends to

contract with the National Oceanic and Atmospheric Administration to support source water assessment work in Southeast Michigan (St. Clair River and Detroit River).

The Michigan Source Water Assessment Program will have to address over 10,000 non-community public water supplies in addition to the estimated 1,500 community public water supplies. Thus, the program must be specific to Michigan's needs, establishing priorities for the work to achieve completion within the permitted time while making use of available resources. Expenditures in FY2000 are expected to be \$1.6 million.

### **Program Set-Asides - 5.1 Percent**

The DEQ intends to begin two new programs and provide expansion of an existing program in FY2000 using three program set-asides. The additional required matching funds will be provided through the Public Water Supply Supervision Program from state General Fund and Restricted Fund (Fee) revenue. Following is a breakdown of the \$1,175,000 projected amount:

**Capacity Development** - State staff, augmented by contracts for professional services, will be used to initiate the program based upon EPA final guidance.

The Michigan Safe Drinking Water Act Amendments of 1998 provide authorization to conduct the program. The amendments allow the department to apply capacity assessment criteria to new community and nontransient noncommunity public water supplies and to selected existing systems under a state strategy. The state already applies capacity development requirements to DWRP applicants.

The department expects to develop administrative rules in FY2000 using stakeholders for public participation. Professional services will be particularly valuable in areas where staff lack expertise, such as financial capacity analyses. Any new program initiatives will be field tested at volunteer public water systems. The projected amount is \$450,000.

**Source Water Protection** – We are implementing an abandoned well management program approved by the DEQ in 1998. We completed three contracts for demonstration projects, and will be adding a fourth demonstration project in FY2000.

The demonstration projects focus on abandoned wells in approved wellhead protection areas. The projects demonstrate methodologies to identify and locate abandoned wells.

We will also begin administration of a statewide abandoned well matching grant program in FY2000, following adoption of administrative rules. The state funds will be dedicated from the recent bond issue establishing the Clean Michigan Initiative.

The total set-aside amount for this activity is \$225,000.

**Operator Certification** - The EAD will administer the program through expansion and improvement to the existing waterworks operator certification program.

EPA has published the operator certification program guidance. Based upon the guidance, the DEQ has estimated the costs to expand the program. Operator training is also included with this program.

We received approval and hired 3.0 additional FTEs in FY1999 to administer the program at an estimated annual cost of \$225,000. The remaining funds (\$275,000) will be used for top priority activities in the program, which may include limited-term staff; a new computer system for record keeping and compliance tracking; and new testing requirements and procedures for noncommunity operators and community systems which received a waiver in the past. We initiated the purchase of exam materials and grading services through third-party vendors in FY1999. The projected amount for these program elements is \$500,000.

### **Wellhead Protection (Section 1452(k)) - 4.3 Percent**

The DEQ has new authorization under the Michigan Safe Drinking Water Act Amendments of 1998 to implement a wellhead protection matching grant program to enhance the existing voluntary state program. The DEQ hired two staff in FY1998 to administer the program. Administrative rules have been passed using a stakeholder process.

In April 1999, grants were awarded to 54 communities totaling slightly over \$1 million. Contracts are signed and work is underway. Sixty-two grants have been awarded for the second grant funding cycle for another \$1 million.

The grant funds will be matched 100 percent by public water supplies. Thus, 50 percent of costs will be funded by the grant, while the local supplier provides 50 percent from its own resources. The initial emphasis will be upon scientific delineation of wellhead protection areas and obtaining state approval for complete wellhead protection programs. Implementation activities are also eligible.

The money will be used for educational materials and training, program staff, and wellhead protection grants. The project amount is \$1 million. By combining some work and funding with that of the source water assessment program, we expect the total wellhead protection grants funding to consume the full amount in FY2000.

## **VIII. CRITERIA AND METHOD FOR DISTRIBUTION OF FUNDS - PROJECT LOANS**

Michigan's DWRF will commit loans for qualified projects on the basis of project plans that were submitted to the MFS by May 1. Plans were reviewed by staff of the DEQ to ensure compliance with Section 5405, 1994 PA 451, before being placed on the PPL for FY2000.

The DWRF must, to the maximum extent practicable, give priority to projects that:

- address the most serious risks to human health
- are necessary to ensure compliance with the requirements of the federal Safe Drinking Water Act
- assist systems most in need according to the state's affordability requirements

Michigan's priority system takes these factors into account in the assignment of priority points. Acute violations receive a larger number of points than any other category. In fact, standards compliance offers over 41 percent of a project's total possible points. All factors point to the need for the project to comply with federal drinking water requirements, and affordability is addressed by the award of additional points for disadvantaged community status and in the ultimate tie-breaker. Michigan's priority system is detailed in section 5406, 1994 PA 451.

Forty-one projects totaling \$178,710,000 are included on the FY2000 PPL. This includes 13 projects and/or segments equaling \$94,670,000 that will be considered for funding in the future.

The FY2000 PPL (attachment 1) is included as part of the IUP process, and was presented as part of the public hearing. The fundable range projects with the anticipated quarterly funding dates and contingency projects are found in attachment 2.

Section 1452(a)(2) of the federal Safe Drinking Water Act requires the state to first make available 15 percent of all funds annually credited to the DWRF for financial assistance to water suppliers serving fewer than 10,000 persons. For FY2000, Michigan must reach or exceed \$3,675,000 to satisfy this requirement.

All projects are reviewed and scored based upon the priority system outlined in Part 54. Funds are made available for commitment based on the priority ranking and projects will only be taken out of order to satisfy requirements for small community assistance.

Employing the criteria found in section 5415, 1994 PA 451, the director of the DEQ will establish the interest rates. The term of the loan will run up to 20 years for most projects. Those suppliers meeting disadvantaged criteria will, however, be able to extend their terms for up to 30 years, if they desire.

Part 54, 1994 PA 451, also permits suppliers serving less than 10,000 persons to receive reimbursement of project planning costs upon delivery of an approvable project plan to the DEQ. However, municipal borrowing statutes were found to limit any public debt, absent the sale of municipal bonds. Such a sale for reimbursement of planning costs alone would create substantial expense for the water supplier. The DEQ and the Authority are working on this issue, and legislation is currently pending to provide a funding mechanism for this reimbursement. Once resolved, the DEQ will reimburse project planning costs to any future qualifying supplier.

## **IX. DISADVANTAGED COMMUNITY STATUS**

Disadvantaged community status is determined by the DEQ based on information submitted with a supplier's project plan. To qualify, an applicant must first meet the definition of "municipality" found in Part 54. Next, the updated median annual household income (MAHI) of the area to be served must be less than 120 percent of the state's updated MAHI. Finally, the costs of the project must be borne by the customers in the service area. If costs are spread over a larger area, then that area must demonstrate that it meets the poverty or affordability criteria.

Once these conditions are met, a community will be afforded the disadvantaged community status if one of the following is true:

- More than 50 percent of the area to be served by the proposed project is identified as a poverty area by the U.S. Bureau of the Census.
- The updated MAHI of the area to be served is less than the most recently published federal poverty guidelines for a family of four in the contiguous United States.
- The updated MAHI is less than the updated state-wide MAHI and the annual user costs for water supply exceed 1.5 percent of the service area's MAHI.
- The updated MAHI is more than the updated state-wide MAHI and the annual user costs for water supply exceed 3 percent of the service area's MAHI.

The major benefits for qualified communities include extension of loan terms to 30 years, 50 additional priority points, and assistance to help defray the costs of preparing project plans.

A complete discussion of the disadvantaged community status may be found in a guidance document prepared by the department to more fully explain how a supplier can achieve the status and benefit by it.

#### **X. EPA AUTOMATED CLEARINGHOUSE ACTIVITIES**

The EPA employs an Automated Clearinghouse (ACH) to make disbursements of federal funds to the DWRF. Michigan will comply with this system and deposit funds drawn from it into appropriate accounts set up for the DWRF.

In FY2000, Michigan anticipates drawing capitalization grant funds from the ACH according to the following schedule:

1st Quarter -	\$ 0	FY2000 set-asides
1st Quarter -	\$ 8,555,000	
2nd Quarter -	\$ 5,000,000	
3rd Quarter -	\$ 5,000,000	
4th Quarter -	\$13,293,000	

As project costs (or program administrative/set-aside costs) are incurred, one request for disbursement may be submitted by the local project's authorized representative (or state agencies) each month. The request for disbursement of funds will be sent directly to the DEQ, who will then process the request as part of a weekly draw request. Upon delivery to its office, the Authority will execute the fund drawdown electronically by transferring money from the federal ACH and state accounts. These amounts are drawn at 83.3 percent and 16.7 percent, respectively, except for program set-asides that may require different ratios. Where different ratios are required due to additional federal match requirements, the EPA and the state will agree to a negotiated fixed percent to simplify the draw process. Adjustments can be made annually to resolve differences in grant balances.

Moneys will be automatically deposited into the debt service reserve account of the DWRF, while funds are electronically wired to a municipal water supplier's bank from a

DWRF account that holds funds from a taxable state issue. For non-municipal water suppliers, the funds will be transferred from direct federal and state capitalization amounts established specifically for the purpose of reimbursing their eligible project costs.

**XI. ASSURANCES**

The final guidelines from the EPA set forth provisions that the state must provide certain assurances in order to qualify for capitalization grant funding. Such assurances are incorporated into the Operating Agreement and are included here by reference.

**XII. PUBLIC REVIEW AND COMMENT**

In order to satisfy public participation requirements, the DEQ held a public hearing to discuss the IUP on August 17, 1999 at 1:30 p.m. The location was Conference Room B in the Environmental Assistance Division, Second Floor Town Center, 333 S. Capitol Avenue, Lansing, Michigan. This hearing was publicly noticed in the Detroit Legal News, the Lansing State Journal, and the Marquette Mining Journal; posted on the DEQ calendar of events; mailed to all persons and engineering firms on our newsletter mailing list, and individually noticed to each water supplier on the draft FY2000 PPL. These sources promote the hearing to ensure maximum public input from those interested in the DWRF. The hearing afforded stakeholders and other interested parties an opportunity to hear and comment on how the DEQ plans to disburse the DWRF loan moneys. All comments were responded to.

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**XIII. ORIGINATION OF DOCUMENTS**

The Chief of the Environmental Assistance Division, Department of Environmental Quality is responsible for issuing the IUP. The IUP and its accompanying information is prepared by the MFS. It is a collaborative effort of DWRPD and EAD/MFS staff who provide data for its development.



## DRINKING WATER RADIOLOGICAL PROTECTION DIVISION

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## Michigan Drinking Water Revolving Fund

## Final Fiscal Year 2000 Project Priority List By Rank-Project Information

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Rank	Proj No.	Project Name and Description			Population	Total Points	Bind. Comm. Date.	Bind. Comm. Amt.
PROJECTS WITH PRIOR YEAR SEGMENTS								
1	7001-03	Wixom	Oakland Co	Seg 3: Main ext, ps, tie-in to DWSD	11,487	625	03/02/2000	\$6,500,000
2	7023-02	Blissfield	Lenawee Co	New raw water strg/trt resv	3,520	530	Future	\$1,275,000
3	7019-02	Flint	Genesee Co	Seg 2: Upgrd/expnd WTP	138,450	400	08/31/2000	\$7,000,000
3	7019-03	Flint	Genesee Co	Seg 3: Upgrd/expnd WTP	138,450	400	Future	\$7,000,000
3	7019-04	Flint	Genesee Co	Seg 4: Upgrd/expnd WTP	138,450	400	Future	\$6,900,000
3	7019-05	Flint	Genesee Co	Seg 5: Upgrd/expnd WTP	138,450	400	Future	\$8,600,000
4	7010-02	Sault Ste Marie	Chippewa Co	Seg C: repl mains, looping	14,689	340	Future	\$5,920,000
4	7010-03	Sault Ste Marie	Chippewa Co	Seg D: repl mains, looping	14,689	340	Future	\$2,390,000
4	7010-04	Sault Ste Marie	Chippewa Co	Seg E: repl mains, looping	14,689	340	Future	\$7,070,000
5	7039-03	Mt Clemens	Macomb Co	Seg 3: Repl mains, looping	19,426	315	06/01/2000	\$1,500,000
6	7024-02	Mt Clemens	Macomb Co	Seg 2: WTP upgrd, disinf	19,426	240	06/01/2000	\$2,000,000
PROJECTS WITHOUT PRIOR YEAR FUNDED SEGMENTS								
7	7027-01	Ontonagon	Ontonagon Co	New WTP, conn main, ext for consolidation	3,446	915	Future	\$9,000,000
8	7082-01	Colon	St Joseph Co	New elev strg tank, new well, repl mains, looping	1,350	620	06/01/2000	\$4,290,000
9	7090-01	Sparta	Kent Co	New well, repl mains, looping, stndby power	4,058	555	06/01/2000	\$3,275,000
10	7091-01	Ottawa Co	Allendale Twp	New booster sta, booster sta imp, trans main repl	11,000	540	03/02/2000	\$2,135,000
11	7068-01	Marion	Osceola Co	Repl mains, dist ext, telemetry/power	819	530	Future	\$1,095,000
12	7079-01	Muir	Ionia Co	New wells, elev strg tank, repl mains	748	520	06/01/2000	\$1,850,000
13	7084-01	Chelsea	Washtenaw Co	Seg 1: New wells and trans mains, softening, repl mains, looping	3,900	480	06/01/2000	\$7,600,000
13	7084-02	Chelsea	Washtenaw Co	Seg 2: New wells and trans mains, softening, repl mains, looping	3,900	480	Future	\$1,300,000
14	7083-01	Hudson	Lenawee Co	Repl high serv & well pumps/motors, new iron remvl facil, repl mains, rehab elev tank.	2,580	470	06/01/2000	\$1,720,000
15	7089-01	Northport	Leelanau Co	New well, conn main, looping	540	445	06/01/2000	\$220,000
16	7016-01	Oxford Twp	Oakland Co	Trans main connect to DWSD	2,738	445	08/31/2000	\$3,000,000
17	7078-01	Sunfield	Eaton Co	Elev strg tank, looping, remove hydro tank, repair mains	669	445	06/01/2000	\$970,000
18	7087-01	YCUA	Washtenaw Co	Seg. 1: 2nd DWSD Supply Connection	106,000	425	03/02/2000	\$7,600,000
18	7087-02	YCUA	Washtenaw Co	Seg 2: 2nd DWSD Supply Connection	106,000	425	Future	\$11,900,000
19	7062-01	Winslow MHP	Ingham Co	Repl dist sys, upgrd wells;	250	410	08/31/2000	\$615,000
20	7051-01	Imlay City	Lapeer Co	Repl trans main, looping, new well/power	2,916	395	08/31/2000	\$2,500,000
21	7055-01	Columbiaville	Lapeer Co	Dist main repl, looping	934	345	08/31/2000	\$160,000
22	7054-01	Port Sanilac	Sanilac Co	Repl mains, looping, new WTP	768	345	08/31/2000	\$1,570,000
23	7094-01	Clinton	Lenawee Co	New iron removal facility	2,475	320	08/31/2000	\$505,000
24	7096-01	YCUA	Washtenaw Co	Phase 3: Repl mains	23,646	315	08/31/2000	\$725,000
25	7009-01	Escanaba	Delta Co	WTP upgrd	13,659	315	11/23/1999	\$1,695,000
26	7037-01	Carrolton Twp	Saginaw Co	Phase 3: repl mains	6,523	305	08/31/2000	\$1,015,000
27	7034-01	Washtenaw Co	Saline	New well, fltr	7,866	305	08/31/2000	\$3,800,000
28	7020-01	Flint	Genesee Co	Repl mains, looping	138,450	300	08/31/2000	\$6,000,000
29	7056-01	Croswell	Sanilac Co	Dist main repl & looping	2,174	295	08/31/2000	\$1,225,000
30	7077-01	Port Huron	St. Clair Co	Phase1: Repl mains: looping (areas 26, 29, 31, 32, 27, 30, 3, 4, 37 (part), 38 (part), 11, 15	33,694	290	03/02/2000	\$5,970,000
31	7088-01	Port Huron	St. Clair Co	Future Phases: Repl mains: looping	33,694	290	Future	\$13,320,000
32	7073-01	Detroit	Wayne Co	Seg 1; Springwells WTP flt sys	3,886,000	225	03/02/2000	\$7,600,000
32	7073-02	Detroit	Wayne Co	Seg 2; Springwells WTP flt sys	3,886,000	225	Future	\$18,900,000
33	7092-01	Alpine Twp	Kent Co	Dist main ext	166	135	06/01/2000	\$1,000,000



Michigan Drinking Water Revolving Fund  
Final Fiscal Year 2000 Project Priority List By Rank-Project Information

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Rank	Proj No.	Project Name and Description	Population	Total Points	Bind. Comm. Date.	Bind. Comm. Amt.
41	Projects	Total Binding Commitment Dollars			\$178,710,000	



## MUNICIPAL FACILITIES SECTION - ENVIRONMENTAL ASSISTANCE DIVISION

## DRINKING WATER RADIOLOGICAL PROTECTION DIVISION

TOWN CENTER 2ND FLOOR, P.O. BOX 30457, LANSING, MI 48909-7957 (PHONE: 517-373-2161)

## MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY



## Final Fiscal Year 2000 Project Priority List By Rank

## Michigan Drinking Water Revolving Fund

## Key:

■ Full Point Assignment    □ Half Point Assignment

## Loan Assistance Ranking For Drinking Water Projects - Page 1 of 2

CATEGORY DESCRIPTION	Points Avail.	700103	700901	701002	701003	701004	701601	701902	701903	701904	701905	702001	702302	702402	702701	703401	703701	703903	705101	705401	705501	705601	706201
<b>DRINKING WATER SYSTEM COMPLIANCE - TOTAL</b>	<b>450 (max)</b>	175	175	150	150	150	175	175	175	175	175	150	375	175	425	175	150	150	150	175	150	150	150
Acute Viol. of DW Standards, Health Advisory Levels, SWTT, Disease	250														■								
Non-Acute Viol. of DW Standards, Health Advisory Levels, SWTT, Disease	200												■										
Facility Upgrade to Maintain Compliance	150	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Aesthetic Upgrades to Maintain Compliance	25	■	■				■	■	■	■	■		■	■	■	■				■			
<b>INFRASTRUCTURE IMPROVEMENTS/UPGRADES - TOTAL</b>	<b>350 (max)</b>	350	100	150	150	150	250	175	175	175	175	100	125	25	350	100	125	125	225	150	125	125	250
Source Treatment w/ Connecting Mains	125 (max)	100	100				125	125	125	125	125		125	25	125	100			100				125
Meet Minimum Capacity	100	■					■	■	■	■	■		■		■	■			■				
Reliability	75		■				■	■	■	■	■		■		■								■
Other Upgrades	25		■										■	■									■
Enforcement Action	25														■								■
Source Water Protection	50																						
Transmission/Distribution Mains	125 (max)	125		125	125	125						100			125		125	125	125	125	125	125	125
Meet Minimum Capacity	100	■		■	■	■									■		■	■	■	■	■	■	■
Reliability	75	■		■	■	■						■			■			■			■	■	■
Other Upgrades	25			■	■	■						■			■		■		■				■
Enforcement Action	25														■								
Storage Facilities/Pumping Stations	125 (max)	125		25	25	25	125	50	50	50	50				125					25			
Meet Minimum Capacity	100	■					■								■								
Reliability	75						■								■								
Other Upgrades	25	■		■	■	■		■	■	■	■				■					■			
Enforcement Action	25							■	■	■	■												
<b>POPULATION - TOTAL</b>	<b>50 (max)</b>	40	40	40	40	40	20	50	50	50	50	50	30	40	30	30	30	40	20	20	20	20	10
>50,000	50																						
10,001-50,000	40						□												□	□	□	□	
3,301-10,000	30												■		■	■	■						
501-3,300	20																						
0-500	10																						
<b>DISADVANTAGED COMMUNITY - TOTAL</b>	<b>50 (max)</b>														50						50		
Granted	50														■						■		
<b>CONSOLIDATION - TOTAL</b>	<b>100 (max)</b>	60													60								
Achieve Compliance	100																						
Correct Deficiencies	60	■													■								
Other	40																						
<b>COMP. WELLHEAD/SOURCE WATER PROTECT PLANS - TOTAL</b>	<b>100 (max)</b>																						
Granted	100																						
<b>TOTAL PRIORITY POINTS ASSIGNED</b>	<b>(1000 max)</b>	625	315	340	340	340	445	400	400	400	400	300	530	240	915	305	305	315	395	345	345	295	410

## MUNICIPAL FACILITIES SECTION - ENVIRONMENTAL ASSISTANCE DIVISION

## DRINKING WATER RADIOLOGICAL PROTECTION DIVISION

TOWN CENTER 2ND FLOOR, P.O. BOX 30457, LANSING, MI 48909-7957 (PHONE: 517-373-2161)

## MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY



## Final Fiscal Year 2000 Project Priority List By Rank

## Michigan Drinking Water Revolving Fund

## Key:

☒ Full Point Assignment    ☐ Half Point Assignment

## Loan Assistance Ranking For Drinking Water Projects - Page 2 of 2

CATEGORY	Points Avail.																							
DESCRIPTION																								
DRINKING WATER SYSTEM COMPLIANCE - TOTAL	450 (max)	150	150	150	150	150	150	275	175	175	175	150	150	150	150	175	150	25	175	150				
Acute Viol. of DW Standards, Health Advisory Levels, SWTT, Disease	250							<input type="checkbox"/>																
Non-Acute Viol. of DW Standards, Health Advisory Levels, SWTT, Disease	200																							
Facility Upgrade to Maintain Compliance	150	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
Aesthetic Upgrades to Maintain Compliance	25								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
INFRASTRUCTURE IMPROVEMENTS/UPGRADES - TOTAL	350 (max)	250	25	25	100	275	350	275	275	275	275	225	225	100	275	250	350	100	125	125				
Source Treatment w/ Connecting Mains	125 (max)	100	25	25		25	125	75	125	125	125	100	100		125	125	100		125					
Meet Minimum Capacity	100						<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>					
Reliability	75	<input checked="" type="checkbox"/>							<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>								
Other Upgrades	25	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>											<input checked="" type="checkbox"/>					
Enforcement Action	25														<input checked="" type="checkbox"/>									
Source Water Protection	50						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								<input checked="" type="checkbox"/>								
Transmission/Distribution Mains	125 (max)	125			100	125	125	100	125	125	125	125	125	100	125	125	125	100		125				
Meet Minimum Capacity	100	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
Reliability	75	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>				
Other Upgrades	25				<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>				
Enforcement Action	25														<input checked="" type="checkbox"/>									
Storage Facilities/Pumping Stations	125 (max)	25				125	125	100	25	25	25				25		125							
Meet Minimum Capacity	100					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>							
Reliability	75																<input checked="" type="checkbox"/>							
Other Upgrades	25					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>									
Enforcement Action	25																							
POPULATION - TOTAL	50 (max)	20	50	50	40	20	20	20	20	30	30	50	50	40	20	30	40	10	20	40				
>50,000	50																							
10,001-50,000	40	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>				<input type="checkbox"/>					
3,301-10,000	30									<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>								
501-3,300	20																							
0-500	10																							
DISADVANTAGED COMMUNITY - TOTAL	50 (max)	50						50																
Granted	50	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>																
CONSOLIDATION - TOTAL	100 (max)	60																						
Achieve Compliance	100																							
Correct Deficiencies	60	<input checked="" type="checkbox"/>																						
Other	40																							
COMP. WELLHEAD/SOURCE WATER PROTECT PLANS - TOTAL	100 (max)															100								
Granted	100															<input checked="" type="checkbox"/>								
TOTAL PRIORITY POINTS ASSIGNED	(1000 max)	530	225	225	290	445	520	620	470	480	480	425	425	290	445	555	540	135	320	315				